

1646

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/509,196A

DATE: 11/13/2000  
 TIME: 13:25:59

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3 <110> APPLICANT: DALY, Roger J.  
 4 SUTHERLAND, Robert L.  
 6 <120> TITLE OF INVENTION: A Potential Effector for the Grb7 Family of Signalling  
 7 Proteins  
 9 <130> FILE REFERENCE: 1871-129  
 11 <140> CURRENT APPLICATION NUMBER: 09/509,196A  
 12 <141> CURRENT FILING DATE: 2000-03-23  
 14 <150> PRIOR APPLICATION NUMBER: P09388  
 15 <151> PRIOR FILING DATE: 1997-09-23  
 17 <150> PRIOR APPLICATION NUMBER: PCT AU98/00795  
 18 <151> PRIOR FILING DATE: 1998-09-23  
 20 <160> NUMBER OF SEQ ID NOS: 2  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
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99 20 25 30
101 Tyr Thr Pro Leu His Glu Ala Ala Ile Lys Gly Lys Ile Asp Val Cys
102 35 40 45
104 Ile Val Leu Leu Gln His Gly Ala Glu Pro Thr Ile Arg Asn Thr Asp
105 50 55 60
107 Gly Arg Thr Ala Leu Asp Leu Ala Asp-Pro Ser Ala Lys Ala Val Leu
108 65 70 75 80
110 Thr Gly Glu Tyr Lys Lys Asp Glu Leu Leu Glu Ser Ala Arg Ser Gly
111 85 90 95
113 Asn Glu Glu Lys Met Met Ala Leu Leu Thr Pro Leu Asn Val Asn Cys
114 100 105 110
116 His Ala Ser Asp Gly Arg Lys Ser Thr Pro Leu His Leu Ala Ala Gly
117 115 120 125

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119 Tyr Asn Arg Val Lys Ile Val Gln Leu Leu Leu Gln His Gly Arg Asp
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122 Val His Ala Lys Asp Lys Gly Asp Leu Val Pro Leu His Asn Ala Cys
123 145      150      155      160
125 Ser Tyr Gly His Tyr Glu Val Thr Glu Leu Leu Val Lys His Gly Gly
126      165      170      175
128 Cys Val Asn Ala Met Asp Leu Trp Gln Phe Thr Pro Leu His Glu Ala
129      180      185      190
131 Ala Ser Lys Asn Arg Val Glu Val Cys Ser Leu Leu Leu Ser Tyr Gly
132      195      200      205
134 Ala Asp Pro Thr Leu Leu Asn Cys Lys Asn Lys Ser Ala Ile Asp Leu
135      210      215      220
137 Ala Pro Thr Pro Gln Leu Lys Glu Arg Leu Ala Tyr Glu Phe Lys Gly
138 225      230      235      240
140 His Ser Leu Leu Gln Ala Ala Arg Glu Ala Asp Val Thr Arg Ile Lys
141      245      250      255
143 Lys His Leu Ser Leu Glu Met Val Asn Phe Lys His Pro Gln Thr His
144      260      265      270
146 Glu Thr Ala Leu His Cys Ala Ala Ala Ser Pro Tyr Pro Lys Arg Lys
147      275      280      285
149 Gln Ile Cys Glu Leu Leu Leu Arg Lys Gly Ala Asn Ile Asn Glu Lys
150      290      295      300
152 Thr Lys Glu Phe Leu Thr Pro Leu His Val Ala Ser Glu Lys Ala His
153 305      310      315      320
155 Asn Asp Val Val Glu Val Val Val Lys His Glu Ala Lys Val Asn Ala
156      325      330      335
158 Leu Asp Asn Leu Gly Gln Thr Ser Leu His Arg Ala Ala Tyr Cys Gly
159      340      345      350
161 His Leu Gln Thr Cys Arg Leu Leu Leu Ser Tyr Gly Cys Asp Pro Asn
162      355      360      365
164 Ile Ile Ser Leu Gln Gly Phe Thr Ala Leu Gln Met Gly Asn Glu Asn
165      370      375      380
167 Val Gln Gln Leu Leu Gln Glu Gly Ile Ser Leu Gly Asn Ser Glu Ala
168 385      390      395      400
170 Asp Arg Gln Leu Leu Glu Ala Ala Lys Ala Gly Asp Val Glu Thr Val
171      405      410      415
173 Lys Lys Leu Cys Thr Val Gln Ser Val Asn Cys Arg Asp Ile Glu Gly
174      420      425      430
176 Arg Gln Ser Thr Pro Leu His Phe Ala Ala Gly Tyr Asn Arg Val Ser
177      435      440      445
179 Val Val Glu Tyr Leu Leu Gln His Gly Ala Asp Val His Ala Lys Asp
180      450      455      460
182 Lys Gly Gly Leu Val Pro Leu His Asn Ala Cys Ser Tyr Gly His Tyr
183 465      470      475      480
185 Glu Val Ala Glu Leu Leu Val Lys His Gly Ala Val Val Asn Val Ala
186      485      490      495
188 Asp Leu Trp Lys Phe Thr Pro Leu His Glu Ala Ala Ala Lys Gly Lys
189      500      505      510
191 Tyr Glu Ile Cys Lys Leu Leu Leu Gln His Gly Ala Asp Pro Thr Lys

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194 Lys Asn Arg Asp Gly Asn Thr Pro Leu Asp Leu Val Lys Asp Gly Asp
195          530          535          540
197 Thr Asp Ile Gln Asp Leu Arg Gly Asp Ala Ala Leu Leu Asp Ala
198 545          550          555          560
200 Ala Lys Lys Gly Cys Leu Ala Arg Val Lys Lys Leu Ser Ser Pro Asp
201          565          570          575
203 Asn Val Asn Cys Arg Asp Thr Gln Gly Arg His Ser Thr Pro Leu His
204          580          585          590
206 Leu Ala Ala Gly Tyr Asn Asn Leu Glu Val Ala Glu Tyr Leu Leu Glu
207          595          600          605
209 His Gly Ala Asp Val Asn Ala Gln Asp Lys Gly Gly Leu Ile Pro Leu
210          610          615          620
212 His Asn Ala Ala Ser Tyr Gly His Val Asp Val Ala Ala Leu Leu Ile
213 625          630          635          640
215 Lys Tyr Asn Ala Ser Leu Asn Ala Thr Asp Lys Trp Ala Phe Thr Pro
216          645          650          655
218 Leu His Glu Ala Ala Gln Lys Gly Arg Thr Gln Leu Cys Ala Leu Leu
219          660          665          670
221 Leu Ala His Gly Ala Asp Pro Thr Leu Lys Asn Gln Glu Gly Gln Thr
222          675          680          685
224 Pro Leu Asp Leu Val Ser Ala Asp Asp Val Ser Ala Leu Leu Thr Ala
225          690          695          700
227 Ala Met Pro Pro Ser Ala Leu Pro Ser Cys Tyr Lys Pro Gln Val Leu
228 705          710          715          720
230 Asn Gly Val Arg Ser Pro Gly Ala Thr Ala Asp Ala Leu Ser Ser Gly
231          725          730          735
233 Pro Ser Ser Pro Ser Ser Leu Ser Ala Ala Ser Ser Leu Asp Asn Leu
234          740          745          750
236 Ser Gly Ser Phe Ser Glu Leu Ser Ser Val Val Ser Ser Ser Gly Thr
237          755          760          765
239 Glu Gly Ala Ser Ser Leu Glu Lys Lys Glu Val Pro Gly Val Asp Phe
240          770          775          780
242 Ser Ile Thr Gln Phe Val Arg Asn Leu Gly Leu Glu His Leu Met Asp
243 785          790          795          800
245 Ile Phe Glu Arg Glu Gln Ile Thr Leu Asp Val Leu Val Glu Met Gly
246          805          810          815
248 His Lys Glu Leu Lys Glu Ile Gly Ile Asn Ala Tyr Gly His Arg His
249          820          825          830
251 Lys Leu Ile Lys Gly Val Glu Arg Leu Ile Ser Gly Gln Gln Gly Leu
252          835          840          845
254 Asn Pro Tyr Leu Thr Leu Asn Thr Ser Gly Ser Gly Thr Ile Leu Ile
255          850          855          860
257 Asp Leu Ser Pro Asp Asp Lys Glu Phe Gln Ser Val Glu Glu Glu Met
258 865          870          875          880
260 Gln Ser Thr Val Arg Glu His Arg Asp Gly Gly His Ala Gly Gly Ile
261          885          890          895
263 Phe Asn Arg Tyr Asn Ile Leu Lys Ile Gln Lys Val Cys Asn Lys Lys
264          900          905          910

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269 His Asn His Ala Asn Glu Arg Met Leu Phe His Gly Ser Pro Phe Val
270          930          935          940
272 Asn Ala Ile Ile His Lys Gly Phe Asp Glu Arg His Ala Tyr Ile Gly
273 945          950          955          960
275 Gly Met Phe Gly Ala Gly Ile Tyr Phe Ala Glu Asn Ser Ser Lys Ser
276          965          970          975
278 Asn Gln Tyr Val Tyr Gly Ile Gly Gly Gly Thr Gly Cys Pro Val His
279          980          985          990
281 Lys Asp Arg Ser Cys Tyr Ile Cys His Arg Gln Leu Leu Phe Cys Arg
282          995          1000          1005
284 Val Thr Leu Gly Lys Ser Phe Leu Gln Phe Ser Ala Met Lys Met Ala
285          1010          1015          1020
287 His Ser Pro Pro Gly His His Ser Val Thr Gly Arg Pro Ser Val Asn
288 1025          1030          1035          1040
290 Gly Leu Ala Leu Ala Glu Tyr Val Ile Tyr Arg Gly Glu Glu Ala Tyr
291          1045          1050          1055
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294          1060          1065          1070
296 Asp Gly

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VERIFICATION SUMMARY                      DATE: 11/13/2000  
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